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container containing a composition comprising, at least one polyisocyanat or isocyanate prepolymer having an NCO content of from about 8% to about 30% by weight based on the prepolymer, at least one catalyst for the reaction of [the] an isocyanate group with [the] an OH group, at least one blowing agent and at least one foam stabilizer, ^{and in a separate container component} wherein not later than one day [at the latest] after application of the plastic foam from said disposable pressurized container, the residue left in the pressurized container has a diisocyanate monomer content of less than 5.0% by weight, based on the residual contents of the emptied container.

16. (Amended) [An article] The system as claimed in claim 15 wherein the diisocyanate monomer content of said composition [has a diisocyanate monomer content of] is less than 2.0% by weight based on the total contents of the container.

17. (Amended) [An article] The system as claimed in claim 16 wherein the diisocyanate monomer content of said composition [has diisocyanate monomer content of] is less than 2.0% by weight, based on the total contents of the container before [its] application of the composition from said disposable pressurized container.

18. (Amended) [An article] The System as claimed in claim 15 wherein the diisocyanate monomer content of said composition [has a diisocyanate monomer content of] is less than 1.0% by weight based on the total contents of the container.

19. (Amended) [An article] The system as claimed in claim 18 wherein the diisocyanate monomer content of said composition [has diisocyanate monomer content of] is less than 1.0% by weight based on the total contents of the container before its

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cont application from said disposable pressurized container.

20. (Amended) [An article] The system as claimed in claim 15 wherein the diisocyanate monomer content of said composition [has a diisocyanate monomer content of] is less than 0.5% by weight based on the total contents of the container.

21. (Amended) [An article] The system as claimed in claim 20 wherein the diisocyanate monomer content of said composition [has diisocyanate monomer content of] is less than 0.5% by weight based on the total contents of the container before [its] application of the composition from said disposable pressurized container.

22. (Amended) [An article] The system as claimed in claim 15 wherein said composition contains, before its application from said disposable pressurized container, as said at least one polyisocyanate or isocyanate prepolymer, at least one isocyanate prepolymer with a diisocyanate monomer content of less than 3.0% by weight, based on the prepolymer, an NCO functionality of 2 to 5, an NCO content of 8 to 30% by weight, based on the prepolymer, and a viscosity of 5 to 200 Pa·s at 25°C, as measured in accordance with DIN 53015, the prepolymer having been produced from at least one diisocyanate selected from the group consisting of aliphatic diisocyanates containing 2 to 36 carbon atoms, cycloaliphatic diisocyanates containing 5 to 30 carbon atoms and/or aromatic diisocyanates containing 8 to 20 carbon atoms, each with a boiling point [of at most] not higher than 180°C at 10 mbar.

23. (Amended) [An article] The system as claimed in claim 22 wherein said at least one isocyanate prepolymer is a cyclotrimer of a diisocyanate.

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cont 24. (Amended) [An article] The system as claimed in claim 22 wherein said at least one isocyanate prepolymer is a cyclotrimer of a mixture of hexamethylene diisocyanate, isophorone diisocyanate, and mixed trimers thereof.

25. (Amended) [An article] The system as claimed in claim 22 wherein said at least one isocyanate prepolymer is a prepolymer of diisocyanates or isocyanurates containing NCO groups and polyols.

26. (Amended) [An article] The system as claimed in claim 22 wherein said prepolymer has been produced from diisocyanates with NCO groups differing in their reactivity.

27. (Amended) [An article] The system as claimed in claim 15 wherein said composition is comprised of:

50 to 90 % by weight of said at least one polyisocyanate or isocyanate prepolymer,
0.1 to 5.0 % by weight of said catalyst,
5 to 35 % by weight of said blowing agent, and
0.1 to 5.0 % by weight of said foam stabilizer.

28. (Amended) [An article] The system as claimed in claim 15 wherein said at least one polyisocyanate or isocyanate prepolymer is at least one polymer-MDI or polymer-MDI prepolymer with a diisocyanate monomer content of less than 20% by weight, based on the polymer-MDI, an average NCO functionality of greater than 2.7, an NCO content of 26.0 to 30.0% by weight, based on the polymer-MDI, and a viscosity of 5 to 2,000 Pa·s at 25°C according to DIN 53015, the polymer-MDI being [obtainable]

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obtained from technical MDI with an average functionality of greater than 2.3 by removal of a portion of the diisocyanatodiphenylmethane.

29. (Amended) [An article] The system as claimed in claim 28 wherein said at least one polymer-MDI or polymer-MDI prepolymer is a prepolymer of the polymer MDI and a polyol.

30. (Amended) [An article] The system as claimed in claim 29 wherein said polyol is a diol containing 2 to 6 carbon atoms.

31. (Amended) [An article] The system as claimed in claim 28 wherein up to 50% by weight of said at least one polymer-MDI or polymer-MDI prepolymer is replaced by [a] at least one member selected from the group consisting of low-monomer NCO prepolymers of hexamethylene diisocyanate, tolylene-2,6-diisocyanate, isophorone diisocyanate, diphenylmethane-4,4'-diisocyanate, and cyclotrimers of aliphatic diisocyanates containing 4 to 14 carbon atoms.

32. (Amended) [An article] The system as claimed in claim 31 wherein said replacing produces moisture-curing foams differing in their hardness and elasticity.

33. (Amended) [An article] The system as claimed in claim 28 wherein said composition is comprised of:

- 50 to 90 % by weight of said at least one polymer-MDI or polymer-MDI prepolymer,
- 0.1 to 5.0 % by weight of the catalyst,
- 5 to 35 % by weight of the blowing agent, and
- 0.1 to 5.0 % by weight of the foam stabilizer.

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cont 34. (Amended) A one-component foam plastic [obtainable] obtained from the ^{system} [article] claimed in claim 15 by reaction of the composition thereof and moisture.

35. (Amended) [A] The method of using a one-component foam plastic as claimed in claim 34 wherein said one-component foam plastic is used as an insulating or assembly foam.

36. (Amended) [A] The method as claimed in claim 35 wherein said one-component foam plastic is used in situ.

~~37. (Amended) A two-component foam plastic [obtainable] obtained from the ^{system} [article] claimed in claim 15 by reaction of the composition thereof as a first component and a polyol as a second component.~~

38. (Amended) [A] The method of using a two-component foam plastic as claimed in claim 37 wherein said two-component foam plastic is used as an insulating or assembly foam.

39. (Amended) [A] The method as claimed in claim 38 wherein said two-component ~~foam plastic is used in situ.~~

40. (Amended) A composition [useful] for the production of foam plastics from disposable pressurized containers comprising at least one polyisocyanate or isocyanate prepolymer having an NCO content of from about 8% to about 30% by weight based on the prepolymer, at least one catalyst for the reaction of [the] an isocyanate group with [the] an OH group, at least one blowing agent and at least one foam stabilizer, wherein not later than one day[at the latest] after application of the composition from said

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cont disposable pressurized container, the residue of said composition left in the pressurized container has a diisocyanate monomer content of less than 5.0% by weight, based on the residual contents of the emptied container.

41. (Amended) [A] The composition as claimed in claim 40 wherein said composition has a diisocyanate monomer content of less than 2.0% by weight based on the total contents of the container.

42. (Amended) [A] The composition as claimed in claim 41 wherein the diisocyanate monomer content of said composition [has diisocyanate monomer content of] is less than 2.0% by weight by weight, based on the total contents of the container before [its] application of the composition from said disposable pressurized container.

43. (Amended) [A] The composition as claimed in claim 40 wherein said composition has a diisocyanate monomer content of less than 1.0% by weight based on the total contents of the container.

44. (Amended) [A] The composition as claimed in claim 43 wherein the diisocyanate monomer content of said composition [has diisocyanate monomer content of] is less than 1.0% by weight [by weight], based on the total contents of the container before [its] application of the composition from said disposable pressurized container.

45. (Amended) [A] The composition as claimed in claim 40 wherein said composition has a diisocyanate monomer content of less than 0.5% by weight based on the total contents of the container.

46. (Amended) [A] The composition as claimed in claim 45 wherein the diisocyanate

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monomer content of said composition [has diisocyanate monomer content of] is less than 0.5% by weight [by weight], based on the total contents of the container before [its] application of the composition from said disposable pressurized container.

47. (Amended) [A] The composition as claimed in claim 40 wherein said composition contains, before [its] application from said disposable pressurized container, as said at least one polyisocyanate or isocyanate prepolymer, at least one isocyanate prepolymer with a diisocyanate monomer content of less than 3.0% by weight, based on the weight of the prepolymer, an NCO functionality of 2 to 5, an NCO content of 8 to 30% by weight, based on the weight of the prepolymer, and a viscosity of 5 to 200 Pa·s at 25°C, as measured in accordance with DIN 53015, the prepolymer having been produced from at least one diisocyanate selected from the group consisting of aliphatic diisocyanates containing 2 to 36 carbon atoms, cycloaliphatic diisocyanates containing 5 to 30 carbon atoms and/or aromatic diisocyanates containing 8 to 20 carbon atoms, each with a boiling point [of at most] not higher than 180°C at 10 mbar.

48. (Amended) [A] The composition as claimed in claim 47 wherein said at least one isocyanate prepolymer is a cyclotrimer of a diisocyanate.

49. (Amended) [A] The composition as claimed in claim 47 wherein said at least one isocyanate prepolymer is [a] at least one isocyanate prepolymer selected from the group consisting of cyclotrimer of [a mixture] of hexamethylene diisocyanate, cyclotrimer of isophorone diisocyanate, and mixed trimers thereof.

50. (Amended) [A] The composition as claimed in claim 47 wherein said at least one

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isocyanate prepolymer is a prepolymer of ^{one} at least one of diisocyanates and [or]

B1 cont isocyanurates ~~containing NCO groups~~ and polyols.

51. (Amended) [A] The composition as claimed in claim 47 wherein said prepolymer has been produced from diisocyanates with NCO groups differing in their reactivity.

52. (Amended) [A] The composition as claimed in claim 40 wherein said composition is comprised of:

- 50 to 90 % by weight of said at least one polyisocyanate or isocyanate prepolymer,
- 0.1 to 5.0 % by weight of said catalyst,
- 5 to 35 % by weight of said blowing agent, and
- 0.1 to 5.0 % by weight of said foam stabilizer.

53. (Amended) [A] The composition as claimed in claim 40 wherein said at least one polyisocyanate or isocyanate prepolymer is at least one polymer-MDI or polymer-MDI prepolymer with a diisocyanate monomer content of less than 20% by weight, based on the polymer-MDI, an average NCO functionality of greater than 2.7, an NCO content of 26.0 to 30.0% by weight, based on the polymer-MDI, and a viscosity of 5 to 2,000 Pa·s at 25°C according to DIN 53015, the polymer-MDI being [obtainable] obtained from technical MDI with an average functionality of greater than 2.3 by removal of the diisocyanatodiphenylmethane.

54. (Amended) [A] The composition as claimed in claim 53 wherein said at least one polymer-MDI or polymer-MDI prepolymer is a prepolymer of the polymer MDI and a polyol.

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cont 55. (Amended) [A] The composition as claimed in claim 54 wherein said polyol is a diol containing 2 to 6 carbon atoms.

56. (Amended) [A] The composition as claimed in claim 53 wherein up to 50% by weight of said at least one polymer-MDI or polymer-MDI prepolymer is replaced by [a] at least one low-monomer NCO prepolymer comprising residues of at least one member selected from the group consisting [of low-monomer NCO prepolymers] of hexamethylene diisocyanate, tolylene-2,6-diisocyanate, isophorone diisocyanate, diphenylmethane-4,4'-diisocyanate, and cyclotrimers of aliphatic diisocyanates containing 4 to 14 carbon atoms.

57. (Amended) [A] The composition as claimed in claim 56 wherein said replacing produces moisture-curing foams differing in their hardness and elasticity.

58. (Amended) [A] The composition as claimed in claims 53 wherein said composition is comprised of:

- 50 to 90 % by weight of said at least one polymer-MDI or polymer-MDI prepolymer,
- 0.1 to 5.0 % by weight of the catalyst,
- 5 to 35 % by weight of the blowing agent, and
- 0.1 to 5.0 % by weight of the foam stabilizer.

59. (Amended) A one-component foam plastic [obtainable] obtained from the composition claimed in claim 40 by reaction of the composition thereof and moisture.

60. (Amended) [A] The method of using a one-component foam plastic as claimed in claim 59 wherein said one-component foam plastic is used as an insulating or assembly

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61. (Amended) [A] The method as claimed in claim 60 wherein said one-component foam plastic is used in situ.

62. A two-component foam plastic [obtainable] obtained from the composition claimed in claim 40 by reaction of the composition thereof as a first component and a polyol as a second component.

63. (Amended) [A] The method of using a two-component foam plastic as claimed in claim 62 wherein said two-component foam plastic is used as an insulating or assembly foam.

64. (Amended) [A] The method as claimed in claim 63 wherein said two-component foam plastic is used in situ.

65. (Amended) A method of producing [an article] the system as claimed in claim 15 wherein diisocyanate is distilled from said at least one polyisocyanate or isocyanate prepolymer.

66. (Amended) A method of producing [an article] the system as claimed in claim 15 wherein diisocyanate monomers are polymerized by addition of trimerization catalysts immediately before or after foaming.

67. (Amended) A method of producing [an article] the system as claimed in claim 15 wherein diisocyanate monomers are reacted with an OH compound added to the composition remaining[behind] in the disposable pressurized container after foaming.

68. (Amended) [A] The method as claimed in claim 67 wherein said OH compound